

26, 28, and 30 AWG

5

6

26

7

TS2 L 7 M 26 B - K TS2 Series K - Kit Packaging (one unit/bag)

[blank] - Bulk Packaging

Consult factory for other options Connector Type:-L - Cable-to-Cable Clamp Set per Cable O.D. Range for Cable-End and Cable-to-Cable only: **A** - 0.110 - 0.140 [2.8 - 3.6] **B** - 0.140 - 0.180 [3.6 - 4.6] **C** - 0.180 - 0.216 [4.6 - 5.5] # of contacts: **2-5** for #20 **6-9** for #26 Contact Size: **20** - 20, 22, 24, 26 AWG wires **26** - 26,28, 30 AWG wires Gender: M - Male (Pin) F - Female (Socket) Refer to TS2P SERIES drawing for Panel-mount connectors. Refer to TS2C SERIES drawing for mating Cable-End connectors.

> **SPECIFICATIONS: MECHANICAL** Mating / Locking Type: Threaded Coupling 5,000 cycles minimum Operating Forces 10 lb. [44.5 N] maximum Insertion or Withdrawal Vibration Mil-Std 202G Method 201A Panel-Mount Hex Nut Tongue 40 in-lb [4.5 Nm] maximum Threaded on metal Clamp Cable Securing System: ELECTRICAL Voltage Rating 125 V AC/DC for 2-5 contact arrangements 30 V AC/DC for 6-9 contact arrangements **Current Rating** Refer to Current Carry Capacity Table Insulation Resistance 1000 MΩ minimum Contact Resistance 10 mΩ typical EMI Shielding **ENVIRONMENTAL** -40°C to +135°C (-40°F to +275°F) Temperature Limits Operating Temperature Range Refer to Current Carry Capacity Table Mil-Std 202G Method 106G Moisture Resistance Mil-Std 202G Method 302 Insulation Resistance Mil-Std 202G Method 107G Thermal Shock Salt Atmosphere (Corrosion) Mil-Std 202G Method 101E Ingress Protection Ratings IP66, IP67, IP68 (6 ft. for 24 hours) per IEC60529, NEMA 250 6P MATERIAL Outer Shell Metal components Copper Alloy, electroless nickel plated Copper Alloy, nickel plated Hex Nut & Inner Metal components Medical Technology LCP, natural Electrical Insulator Thermoplastic Elastomer Seal O-rings Copper Alloy, gold plated with Stainless Steel locking clip Contacts Assembly

Contacts	Wire (awg)	Curre	Minimum Test Voltage	Voltage (V rms) tested per						
		45°C max.	65°C max.	85°C max.	100°C max.	110°C max.	(V rms)	UL2238		
2 #20	20	10	9	8	7*	6				
	22	8.5	7.5	7.5	5.5*	4.5				
	24	7 6		5	4.5*	3.5				
	26	4	4	3.5	3.5*	2.5				
3 #20	20	9.5	8.5	7.5	6.5*	5				
	22	8	7	6	5*	4		125		
	24	6	5.5	4.5	4*	3				
	26	3.5	3.5	3	3*	2.5	1300			
4 #20	20	9	8	7	6*	5	1300			
	22	7.5	6.5	5.5	4.5*	3.5				
	24	5	4.5	4	3.5*	2.5				
	26	3	3	2.5	2.5*	2				
5 #20	20	8	7.5	6.5	5.5*	4.5				
	22	6.5	5.5	5	4*	3				
	24	4.5	4	3.5	3*	2.5				
	26	2.5	2.5	2	2*	1.5				
6-7 #26	26	2.5	2.5	2	2*	1.5				
	28	2	2	1.5	1.5*	1		30		
	30	1.5	1.5	1	1*	.5	1000			
8-9 #26	26	2	2	1.5	1.5*	1	1000	30		
	28	1.5	1.5			.5				
	30	1 1	1 1 .5 .5* .5 s not exceed 30°C when tested according to UL2238. All oth		.5		<u> </u>			

## **CUSTOMER DRAWING**

								RIBES A DESIGN C INC. AND IS RELE <i>A</i>						
			UNLESS OTHERWISE SPECIFIED	SIZE	W	/IDTH	MULT	LB	S/M	TE	MPER			
					1. ALL DIMENSIONS IN INCHES [mm]	FINISH				MATERIAL				
					- TWO PLACE DECIMALS ±0.02 [0.5]	SPEC No.  FIRST USED ON  SCALE			SPEC No.					
					- THREE PLACE DECIMALS ±0.005 [0.13]									
00	40    14/40 5	20/20/42	DAUG		- THREE FLACE DECIMALS 10.003 [0.13]	DATE DRAWN BY CHK		CHKD	3:1 APVD					
0B	10 lb WAS 5 lb	09/22/16	PNK	SRC				PNK	SRC					
0A	PRELIMINARY	04/20/16	PNK	SRC		04/20/16	PNK	04/20/16		SI	HEET	1 OF	2	
EV	ECO NUMBER	DATE	BY	APVD		NAME C	ABL	E-TO-CA	BLE	PART No.				REV
REVISIONS					DO NOT SCALE DRAWING	TS2 SERIES CONNECTOR			TS2L SERIES			0B		

SolidWorks CAD File C

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REMTOOL26

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